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C. O. T.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Panec et al.

Attorney Docket No.: ODVFP004

Patent: 7,249,195 B2

Issued: July 24, 2007

Title: Apparatus And Methods For Correlating
Messages Sent Between Services

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on March 20, 2008 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____

Juan D. Petris

**REQUEST FOR CERTIFICATE OF CORRECTION
OF OFFICE MISTAKE
(35 U.S.C. §254, 37 CFR §1.322)**

Certificate
MAR 26 2008
of Correction

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Attn: Certificate of Correction

Dear Sir:

Attached is Form PTO-1050 (Certificate of Correction) at least one copy of which is suitable for printing. The errors together with the exact page and line number where the errors are shown correctly in the application file are as follows:

CLAIMS:

1. In line 1 of claim 12 (column 23, line 51) change "11" to --9--. This appears correctly in Amendment D as filed on February 12, 2007, on page 4, line 1, as claim 14.
2. In line 7 of claim 19 (column 24, line 21), after "is" insert --a first message--. This appears correctly in Amendment D as filed on February 12, 2007, on page 5, line 5, as claim 21.
3. In line 24 of claim 38 (column 27, line 35) change ":" to ";". This appears correctly in Amendment D as filed on February 12, 2007, on page 10, line 18, as claim 42.

REQUESTED TO
Patent Publication

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Patentee hereby requests expedited issuance of the Certificate of Correction because the error lies with the Office and because the error is clearly disclosed in the records of the Office. As required for expedited issuance, enclosed is documentation that unequivocally supports the patentee's assertion without needing reference to the patent file wrapper.

It is noted that the above-identified errors were printing errors that apparently occurred during the printing process. Accordingly, it is believed that no fees are due in connection with the filing of this Request for Certificate of Correction. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 504480 (Order No. ODVFP004).

Respectfully submitted,
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1 10. (Currently Amended) ~~A~~ The method as recited in claim 9, wherein the call information
2 for each call further includes two or more of the following: an indication as to whether the each
3 call is complete and a reason for the call not being complete if the each call fails to complete, a
4 type of each call, a receiving and sending time for the each call, a sender and recipient service of
5 each call, a status of policy evaluation for each call, ~~and~~ or a set of hops in each call.

1 11. (Currently Amended) ~~A~~ The method as recited in claim 1, wherein the session
2 information for each session includes a Session Identifier (ID) uniquely identifying the each
3 session.

1 12. (Currently Amended) ~~A~~ The method as recited in claim 11, wherein the session
2 information for each session further includes an indication as to whether the each session is
3 complete and a reason for the session not being complete if the each session fails to complete.

1 13. (Currently Amended) ~~A~~ The method as recited in claim 11, wherein the session
2 information for each session further includes a calculated or executed route for application-level
3 messages sent within the each session.

1 14. (Currently Amended) ~~A~~ The method as recited in claim 11, wherein the session
2 information for each session further includes an identity and status of each service of the each
3 session.

9 (claims renumbered.)

1 15. (Currently Amended) ~~A~~ The method as recited in claim 11, wherein the session
2 information for each session further includes two or more of the following: an indication as to
3 whether the each session is complete and a reason for the session not being complete if the each
4 session fails to complete, a calculated or executed route for messages sent within the each
5 session, and an identity and status of each service of the each session, an initiating time and
6 completion time for each session, ~~and~~ or an indication of a set of calls in each session.

1 16. (Currently Amended) ~~A~~ The method as recited in claim 1, wherein each application-level
2 message belongs to a particular call between two of the services.

1 17. (Currently Amended) ~~A~~ The method as recited in claim 1, wherein each call includes a
2 request message and a response message or a notification message.

1 18. (Currently Amended) ~~A~~ The method as recited in claim 1, wherein a call is defined as a
2 set of predefined application-level message types.

1 19. (Currently Amended) ~~A~~ The method as recited in claim 1, wherein a session is
2 determined by the services which send application-level messages for the set of calls as a set of
3 calls.

1 20. (Currently Amended) ~~A~~ The method as recited in claim 1, wherein at least some of
2 services are implemented on different computer systems and at least some of these computer
3 systems differ from a computer system which implements the message interchange network.

1 21. (Currently Amended) ~~A~~ The method as recited in claim 1, wherein the ~~tracking~~ retaining
2 of correlating information comprises:

3 receiving a current application-level message at the message interchange network,
4 wherein the current application-level message belongs to a current session and a current call;
5 when the received current application-level message is a first message received for the
6 current session, assigning a session identifier for the current message and embedding the session
7 identifier in the current application-level message prior to forwarding the application-level
8 message to ~~its destination~~ the one or more services specified by the current application-level
9 message;

10 when the received current application-level message is ~~a first message~~ received first for
11 the current call, assigning a call identifier for the current application-level message and
12 embedding the call identifier in the current application-level message prior to forwarding the
13 application-level message to ~~its destination~~ the one or more services specified by the current
14 application-level message;

15 assigning a hop identifier for the current application-level message which uniquely
16 identifies the current application-level message; and

17 associating and storing the session identifier, the call identifier, and the hop identifier,
18 along with message information, call information, and session information for the received
19 application-level message.

5 sending wherein the specific portions of the retained correlation information that are sent
6 to the first service are related to the particular session or call of the query.

1 41. (Currently Amended) ~~A~~ The computer system as recited in claim 27, wherein at least one
2 of the services is a routing script.

1 42. (Currently Amended) A computer program product for correlating services within a
2 computer network, the computer program product comprising:
3 at least one computer readable medium;
4 computer program instructions stored within the at least one computer readable medium
5 configured for:

6 providing a message interchange network for exchanging application-level
7 messages between services that are located outside the message interchange network, the
8 ~~message interchange network being built on an open platform overlaying a public~~
9 ~~network and managing a plurality of services;~~

10 registering, at the message interchange network, each of the plurality of services
11 so that each service is specified as being accessible by a plurality of one or more of the
12 plurality of services according to one or more properties and permissions associated with
13 each of service in the plurality of services; and

14 receiving, at the message interchange network, a plurality of application-level
15 messages that each specify one or more of the plurality of services that are to receive the
16 each application-level message and forwarding each received application-level message
17 towards its specified service according to the one or more properties and permissions
18 associated with the specified service;

19 ~~tracking~~ retaining correlation information regarding each application-level
20 message received into message interchange network, wherein the application-level
21 messages are being sent between pairs of the services, wherein the retained correlation
22 information for each application-level message pertains to each application-level message
23 and any other application-level messages related to the each application-level message,
24 the retained correlation information including one or more of: a Hop Identifier (ID)
25 uniquely identifying a hop between a sender and receiver of the each application-level
26 message, call information regarding a call to which the each application-level message
27 and any other related application-level message belongs, ~~and~~ or session information
28 regarding a session to which the each application-level message and any other related

(Also Form PT-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,249,195 B2

Page 1 of 1

DATED : July 24, 2007

INVENTOR(S) : Panec et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In the Claims:

In line 1 of claim 12 [column 23, line 51] change "11" to --9--.

In line 7 of claim 19 [column 24, line 21], after "is" insert --a first message--.

In line 24 of claim 38 [column 27, line 35] change ":" to ",".

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